CLASSIFICATION CONFIDENTIAL/CONTROL-US [redacted] OFFICIALS ONLY 25X1

CENTRAL INTELLIGENCE AGENCY
SECURITY INFORMATION

INFORMATION REPORT

REPORT NO. [redacted]

CD NO. 25X1A

COUNTRY USSR (Gorki Oblast)

DATE DISTR. 4 March 1952

SUBJECT Power Plant in Dzerzhinsk-Igumnovo

NO. OF PAGES 4

25X1C

[redacted]

NO. OF ENCLS. 10
(LISTED BELOW)

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SUPPLEMENT TO
REPORT NO.

[redacted]

1. Location: The power plant of DZERZHINSK IGUMNOVO (43° 38'E/56°14'N), Gorki Oblast, is within a group of chemical plants west of GORKI, about 2.4 miles north of the Oka River. The GORKI-MOSCOW road and railroad line are north of the plant. The Stahlmost Plant was east of the power plant and the Oka Chemical Plant was west of it. For location see sketch No. 1.

2. Plant installations:

a. Only Soviets worked on the construction of the new buildings until December 1946. At this time source and 800 PWs were assigned to the job. In the Spring of 1947, about 100 additional Soviets were employed at the construction.

b. Between December 1946 and August 1949, the following buildings were constructed, reorganized or enlarged: The southern annex to the turbine house was completed in May 1948; the third turbine was installed in March 1949 and put into operation in May of the same year. The installation of an additional turbine was scheduled for October 1949. Foundations for this fourth turbine were completed in the new annex but the turbine did not arrive during the time of observation. The bare structure of an annex on the southern side of the boilerhouse was completed by November 1947. It had a brick smokestack 135 feet high. Two boilers, fueled with coal dust, were installed and put into operation in May 1949.

SEE [redacted] FOR DECLASSIFICATION ACTION NEXT PAGE

c. In addition to the above reported plant buildings, the following installations were constructed:

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In 1948: Cantonment buildings (outside the plant areas) foundations for five transformers, one new building for the coal conveyor system, a water tank and the pumping house. The buildings were not equipped by August 1949 and therefore not in operation.

In 1949: The cooling tower (131 feet high and 49 feet in diameter, resting on a concrete base), a plant police building (south of the guard house), and the coal conveyor installation, in a western part of the coal unloading station (not in operation because the cement canals were not equipped with conveyor belts).

All buildings were constructed with lime sandstone. For plant layout see Annex.

3. Work force: In the plant three shifts, each with 250 to 300 Soviets, more than 50 percent being women. At the construction: In 1946 and 1947, 800 PWs and 100 Soviets (60 percent women); in 1948, 300 to 400 PWs and 100 Soviets; in 1949, 200 PWs and 100 Soviets.

4. Capacity: According to Soviet and [redacted] specialists, the two old turbines each [redacted] 28,000 kws. The third turbine (Siemens [redacted] capacity of 35,000 kws. The total capacity [redacted] plant amounted to 91,000 kws and plant capacity was to reach 126,000 [redacted] operation of the fourth turbine. Soviet engineers stated that this capacity was already required for 1949 to meet the power consumption of the nearby chemical plants.

25X1A [redacted] Comment:

a. The report furnishes detailed, late information on the important power plant of DZERZHINSK.

b. The plant was repeatedly reported and its location is known from aerial photograph taken in 1941.

c. This report is considered valuable since a trained source gained the information during his important assignment as construction manager at the plant. Full credence is given to his statements.

1 Annex: (Sketch 1 and 2)
Power Plant in DZERZHINSK [GUMNOVO].

Legend to Sketch 1:

1 Kalinin Chemical Plant

2 Stroi Chemical Plant

3 Oka Chemical Plant

4 Power [redacted]

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5 Stahlmost Plant

6 Yava Chemical Plant

7 Roulon Plant with PW Camp No. 7117/5

8 Two skyscrapers

9 Large bakery

10 PW Camp No. 7117/6.

Legend to Sketch No. 2:

1 Sawmill, 60 x 15 feet, wooden structure

2 Apartment house for plant employees

3 Barracks, workmen's dwellings

4 Old guard detachment

5 Plant kitchen and mess hall

6 Electrical workshop, brick building, 120 x 30 x 12 feet with annex, 45 x 30 feet

7 New apartment house, 134 x 35 x 22 feet

8 New garages, 13[illegible] x 39 x 13 feet

9 Plant police building

10 New administration building, 39 x 23 x 13 feet

11 Old coal unloading station with wide-gauge tracks, 400 x 50 x 26 feet. On each side of the track was a cement canal, 5 feet wide with conveyor belts. The coal was transported to a shaft in the northern plant part and then by an underground conveyor shipped to the boilerhouse where it was ground.

12 New unloading station for coal, same as No. 11

13 Four buildings part of the coal conveyor system, one newly constructed

13a Coal d[redacted]

14 Barrack [redacted]ts, 32 x 26 x 12 feet

15 New wate[redacted]te structure, 10-feet high and 29 feet [redacted] walls were 1.25 feet thick, not yet connected to the waterpipes

16 New pumphouse without equipment

17 Old sawmill with two sawframes

18 Old boilerhouse, 196 x 131 x 114 feet with 5 boilers a newly constructed annex (98 x 131 x 114 feet) with

[redacted]

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b Two old smokestacks, 130 to 145 feet high, brick structures

c One new smokestack, same as No. 18b

19 Old turbine house, 147 x 131 x 68 feet, equipped with two turbines of 28 [redacted] each

a Newly construct[redacted]58 feet, equipped with one new Si[redacted]e 35,000 kws. Foundations for [redacted] completed. Wide gauge railroad t[redacted] into the building.

20 Accumulator hall, 262 x 98 x 49 feet

21 Building collecting point of all pipes, from here they lead to the cooling towers

22 Three cooling towers, each 131 feet high and 49 feet in diameter. Iron structures paneled with wood on concrete foundations. One was a new construction

23 Open-air switching installation with insulators and safety fuzes 650 x 550 feet

24 Six old and five new oil-switch transformers

25 Repairshop and carpentershop, warehouse and motor [redacted] repair shop angle shaped building 98 and 32 x 26 x

26 Mechanical workshop, 98 x 49 x 16 feet

27 Storage shed for cement, 98 x 32 x 13 feet

28 Locomotive barn 65 x 23 x 26 feet for two locomotives, one steampowered, the other with a Diesel engine.

[redacted] 131 x 32 x 31 feet for wires, insulators, oil and grease

[redacted] with unknown purpose

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Annex t

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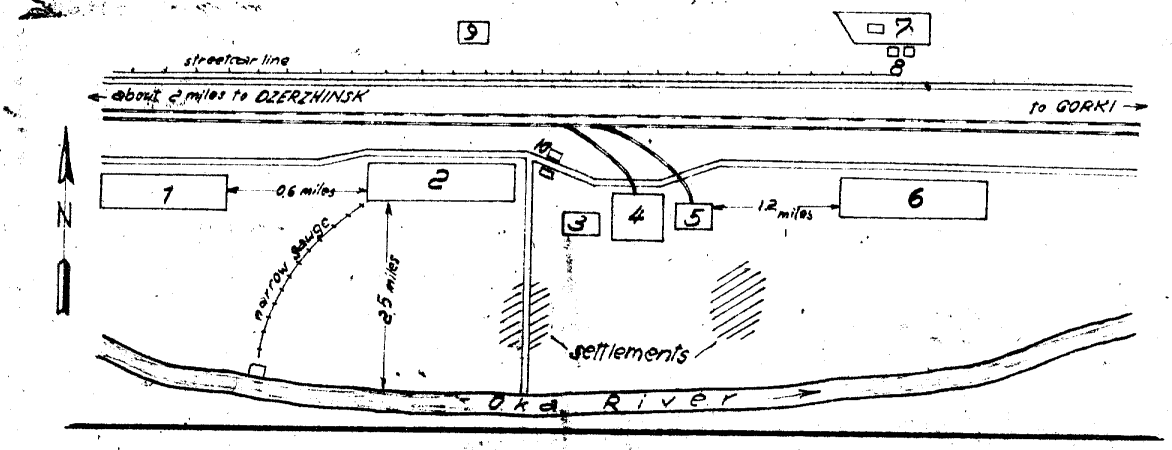
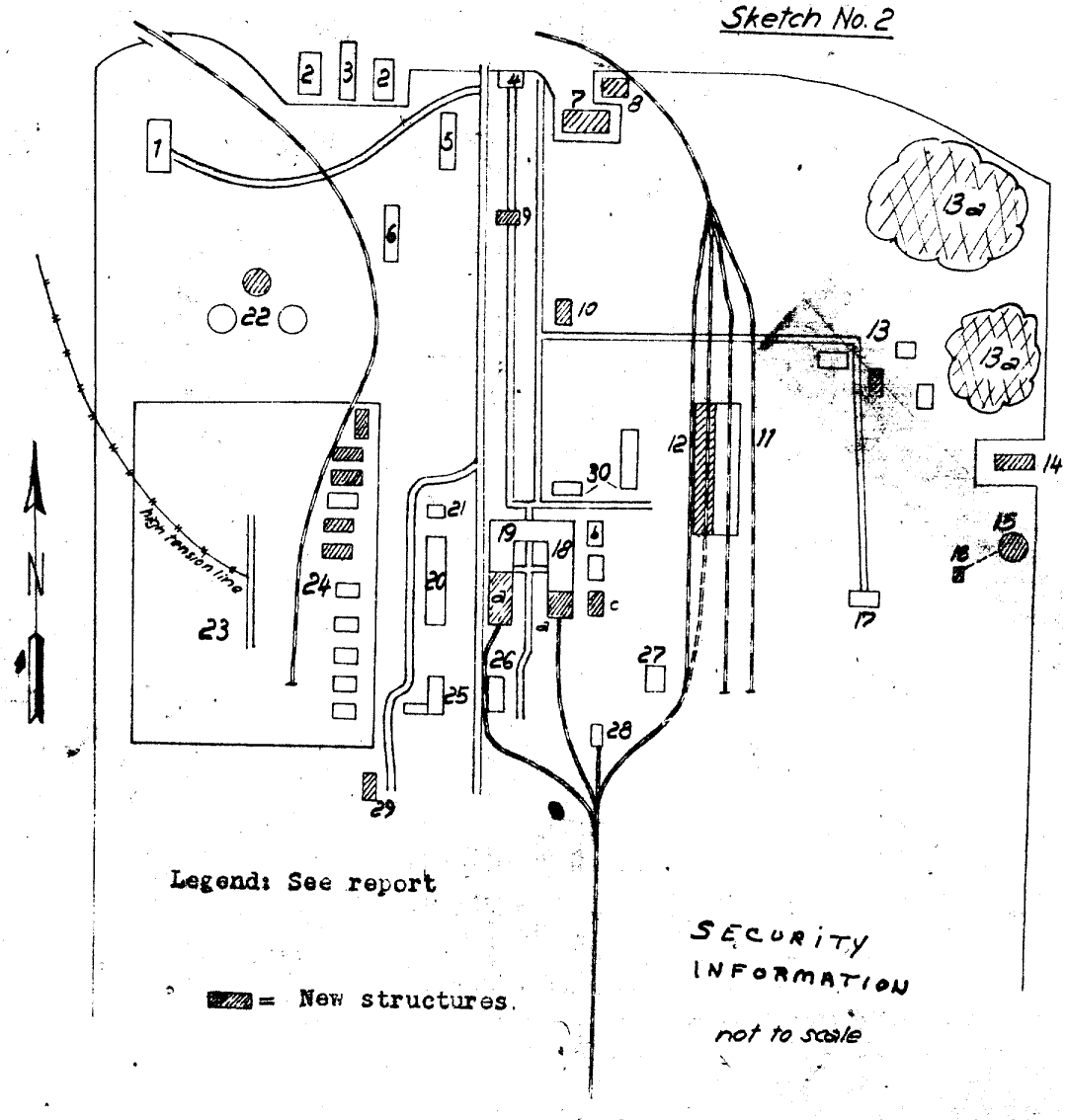
Power Plant in DZERZHINSK IGUMNOVO

Sketch No. 1



Sketch No. 2



Legend: See report

= New structures.

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not to scale